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Washington, DC 20234.), or, alternatively, its calibration shall be developed by transfer calibration methods with an NBS calibrated flux meter. This latter calibration shall make use of the radiant panel tester as the heat source. Measurements shall be made at each of the nine dummy specimen positions and the mean value of these results shall constitute the final calibration.

(c) *Recommendation.* It is recommended that each laboratory maintain a dedicated calibrated reference flux meter against which one or more working flux meters can be compared as needed. The working flux meters should be calibrated according to this procedure at least once per year.

§ 1209.9 Labeling requirement.

(a) Manufacturers, importers, and private labelers of cellulose insulation shall place on all containers of cellulose insulation the following statement:

This product meets the amended CPSC standard for flame resistance and corrosiveness of cellulose insulation.

To meet this requirement manufacturers, importers, and private labelers may use any type of label, including one which is pressure sensitive or glued on, provided the label is made in such a manner that it will remain attached to the container for the expected time interval between the manufacture of the product and its installation.

(b) This label shall appear prominently and conspicuously on the container in letters which are at least one-fourth inch in height. The labeling statement shall be printed with legible

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type in a color which contrasts with the background on which the statement is printed.

§ 1209.10 Certification and enforcement.

(a) While this part 1209 prescribes test methods to determine whether cellulose insulation subject to this interim standard meets its requirements, the interim standard itself does not require that a manufacturer or private labeler test any cellulose insulation. However, section 14 of the Consumer Product Safety Act (15 U.S.C. 2063) requires manufacturers and private labelers of products subject to safety standards to certify that the product conforms to the standard based on either a test of each product or a reasonable testing program. (Elsewhere in this issue of the FEDERAL REGISTER, 44 FR 39983, the Commission has issued a certification rule that prescribes requirements that manufacturers and private labelers shall follow to certify that their cellulose insulation complies with the requirements of the amended standard.)

(b) The Commission intends to use the test procedures set forth in this part 1209 to determine whether insulation subject to the interim standard meets the requirements of the interim standard.

§ 1209.11 Effective date.

All cellulose insulation that is a consumer product and that is manufactured after October 15, 1979 shall meet the requirements of this standard, including the labeling requirement of § 1209.9.

FIGURE 1 TO SUBPART A OF PART 1209—PARTIAL INSULATION PREPARATION APPARATUS

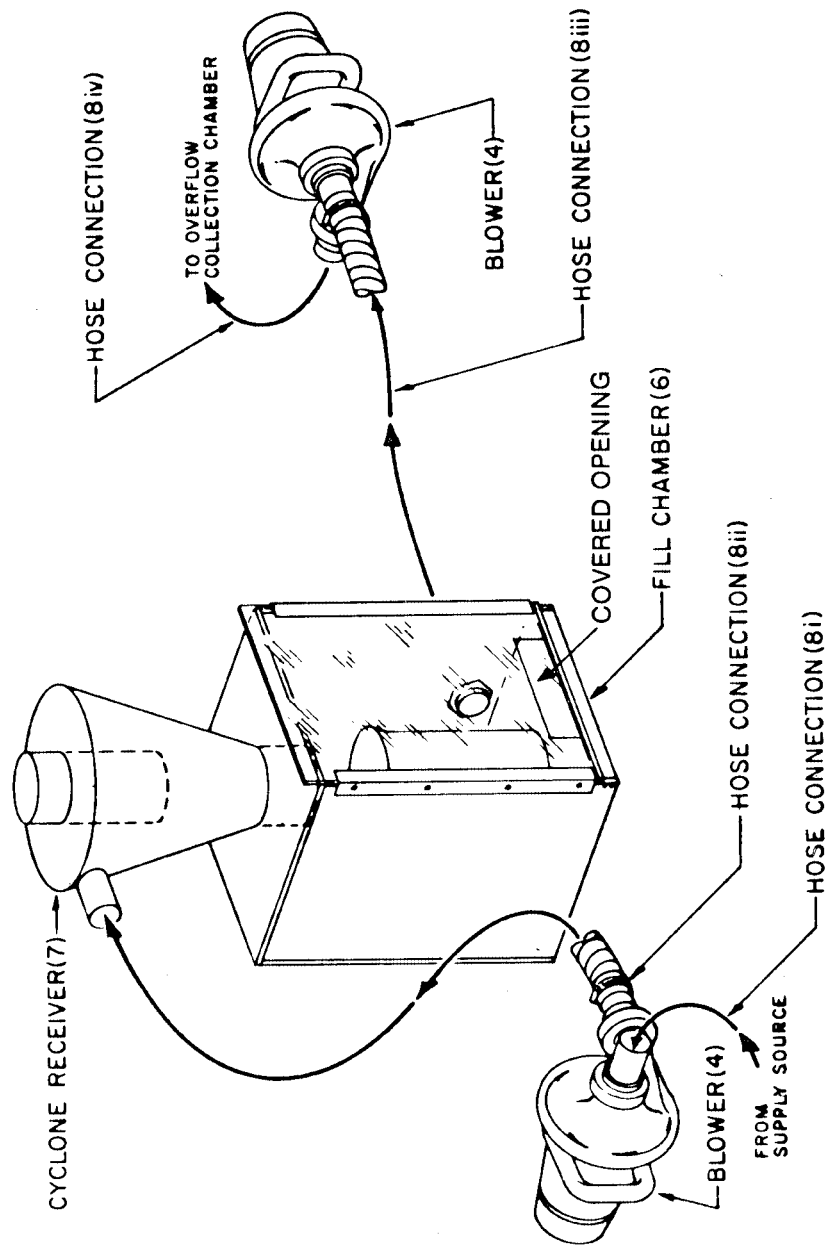
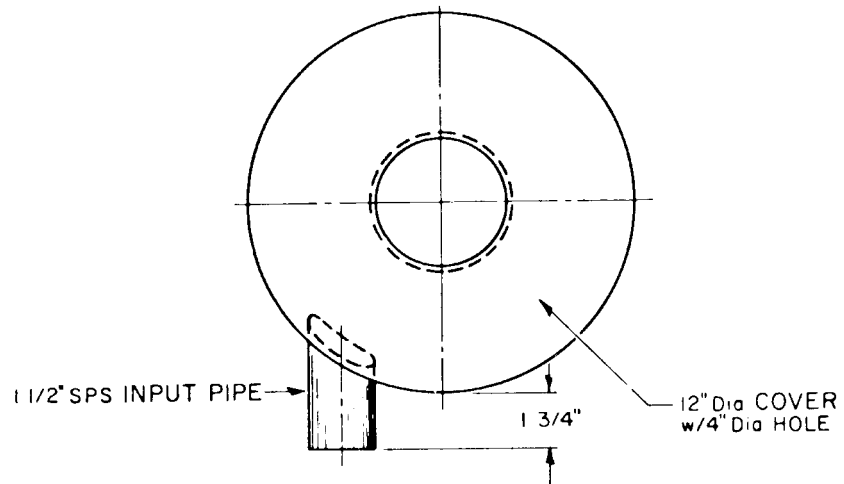


FIG 1—PARTIAL INSULATION PREPARATION APPARATUS

FIGURE 2 TO SUBPART A OF PART 1209—CYCLONE RECEIVER WELDMENT



This Unit DESIGNED & MFD By:
HAMMERLUND MFG Co
607 2ND ST. South
HOPKINS, MN
55343
(612) 935-3454

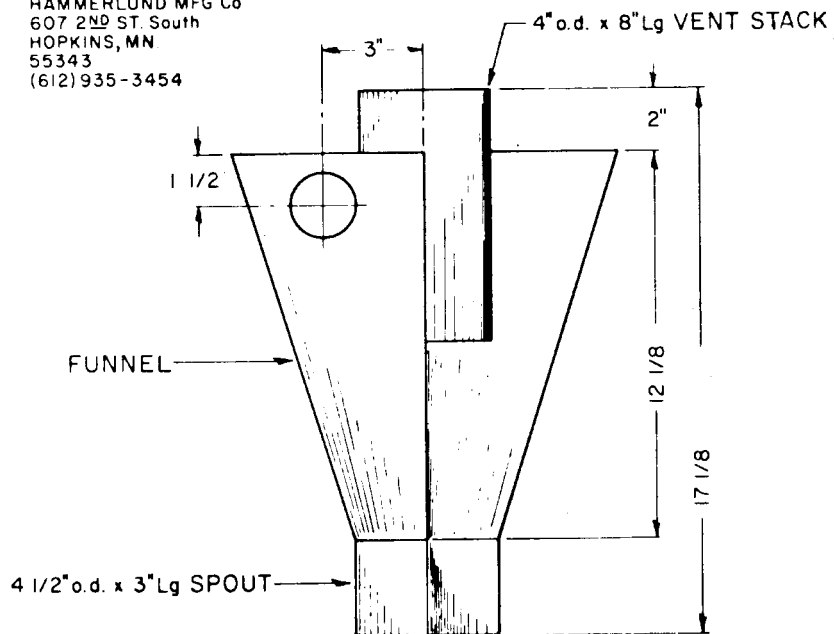


FIG 2—CYCLONE RECEIVER WELDMENT

Diagram illustrating the experimental apparatus for studying the oxidation of organic materials. The apparatus consists of a chamber with a width of 140 cm and a height of 105 cm. The chamber is surrounded by chamber sheathing. Inside the chamber, a specimen holder is positioned, and a specimen is placed on it. A gas-fueled panel is tilted at a 30° angle, emitting a radiating surface. A pilot burner is located near the specimen holder. The chamber is filled with material (inorganic) with a density of 0.74 g/cm³. Various dimensions and components are labeled, including thermocouples, a radiation pyrometer, and a protective sleeve.

FIG 3 - FLOORING RADIANT TESTER SCHEMATIC
SIDE ELEVATION

FIGURE 4 TO SUBPART A OF PART 1209—FLOORING RADIANT PANEL TESTER
SCHEMATIC LOW FLUX END, ELEVATION

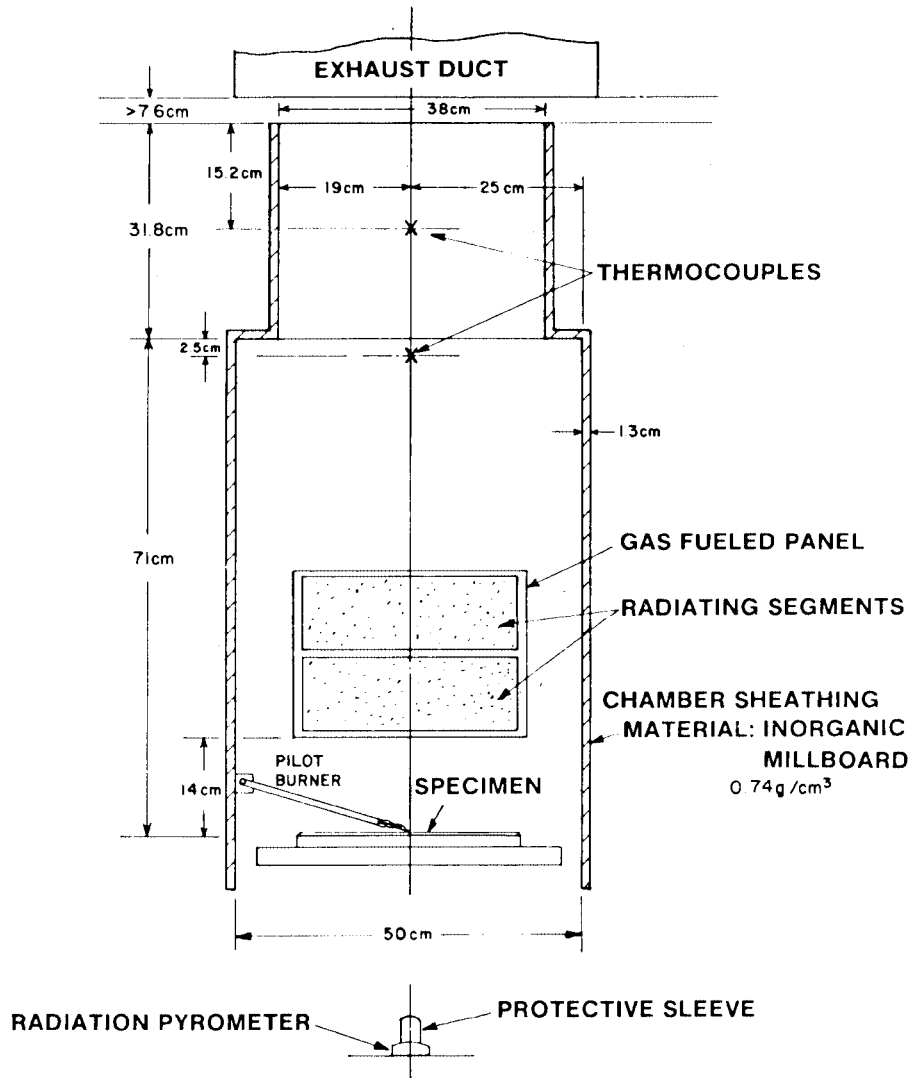


FIG 4 — FLOORING RADIANT PANEL TESTER SCHEMATIC
LOW FLUX END, ELEVATION

FIGURE 5 TO SUBPART A OF PART 1209—ZERO REFERENCE POINT RELATED TO DETECTING PLANE

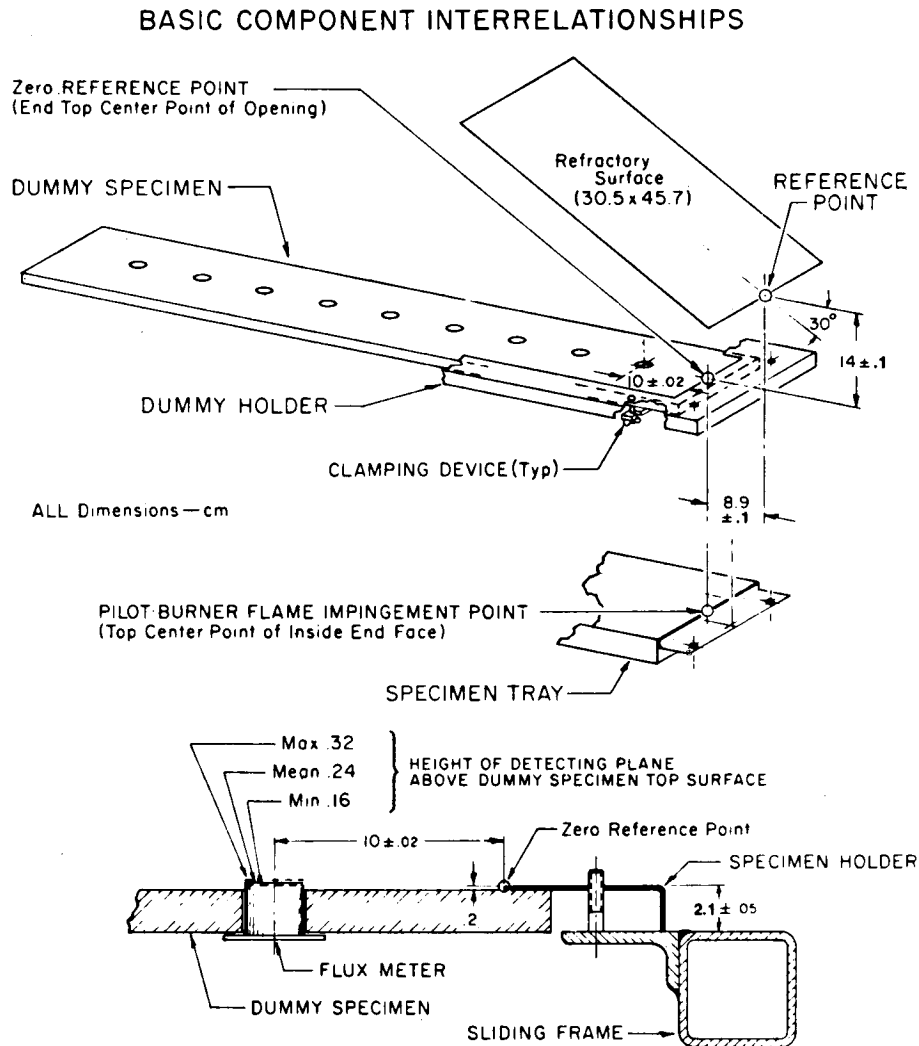
**FIG 5 — ZERO REFERENCE POINT
RELATED TO DETECTING PLANE**

FIGURE 6 TO SUBPART A OF PART 1209—DUMMY SPECIMEN IN SPECIMEN HOLDER

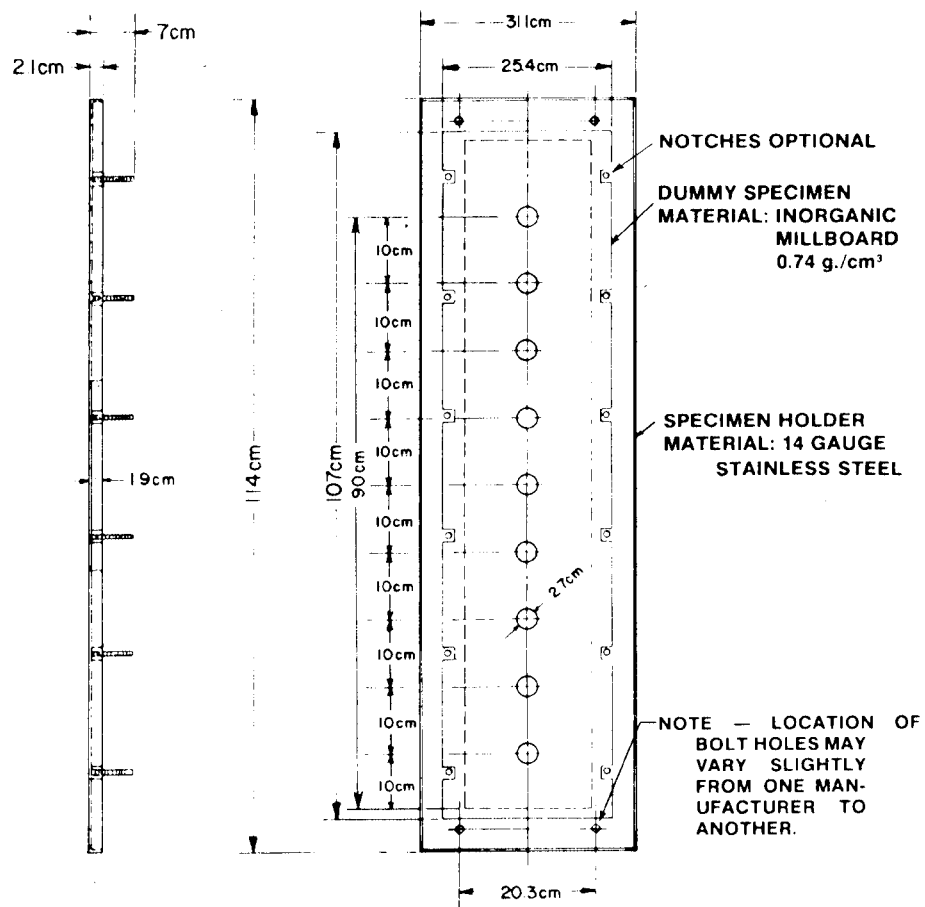


FIG 6 — DUMMY SPECIMEN IN SPECIMEN HOLDER

FIGURE 7 TO SUBPART A OF PART 1209—SPECIMEN TRAY

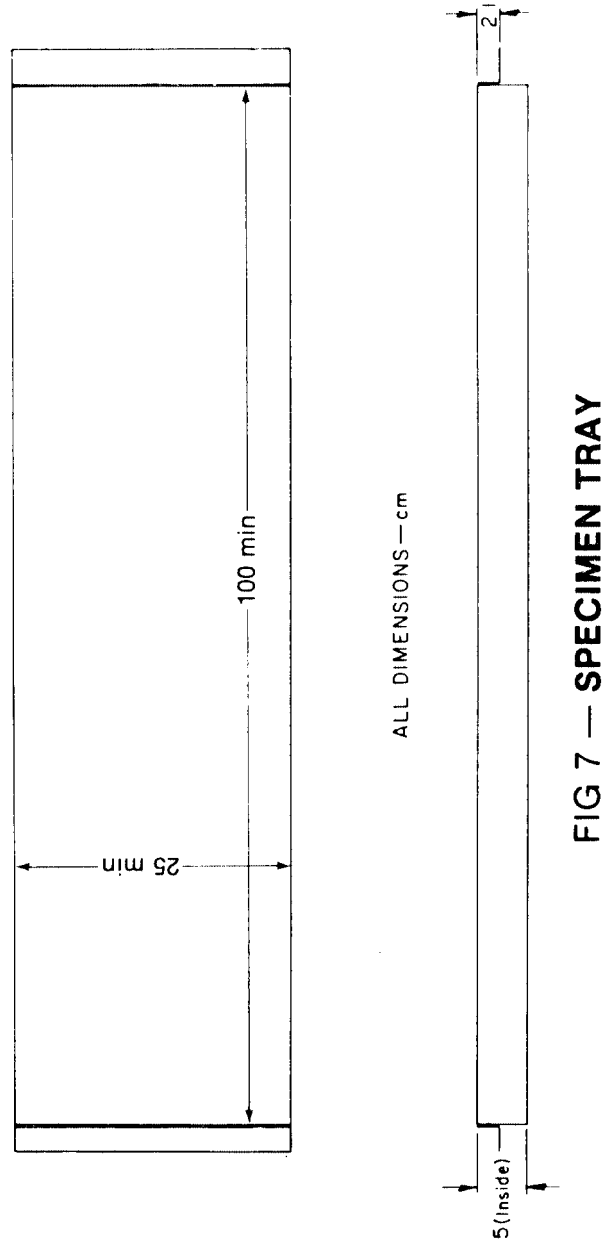


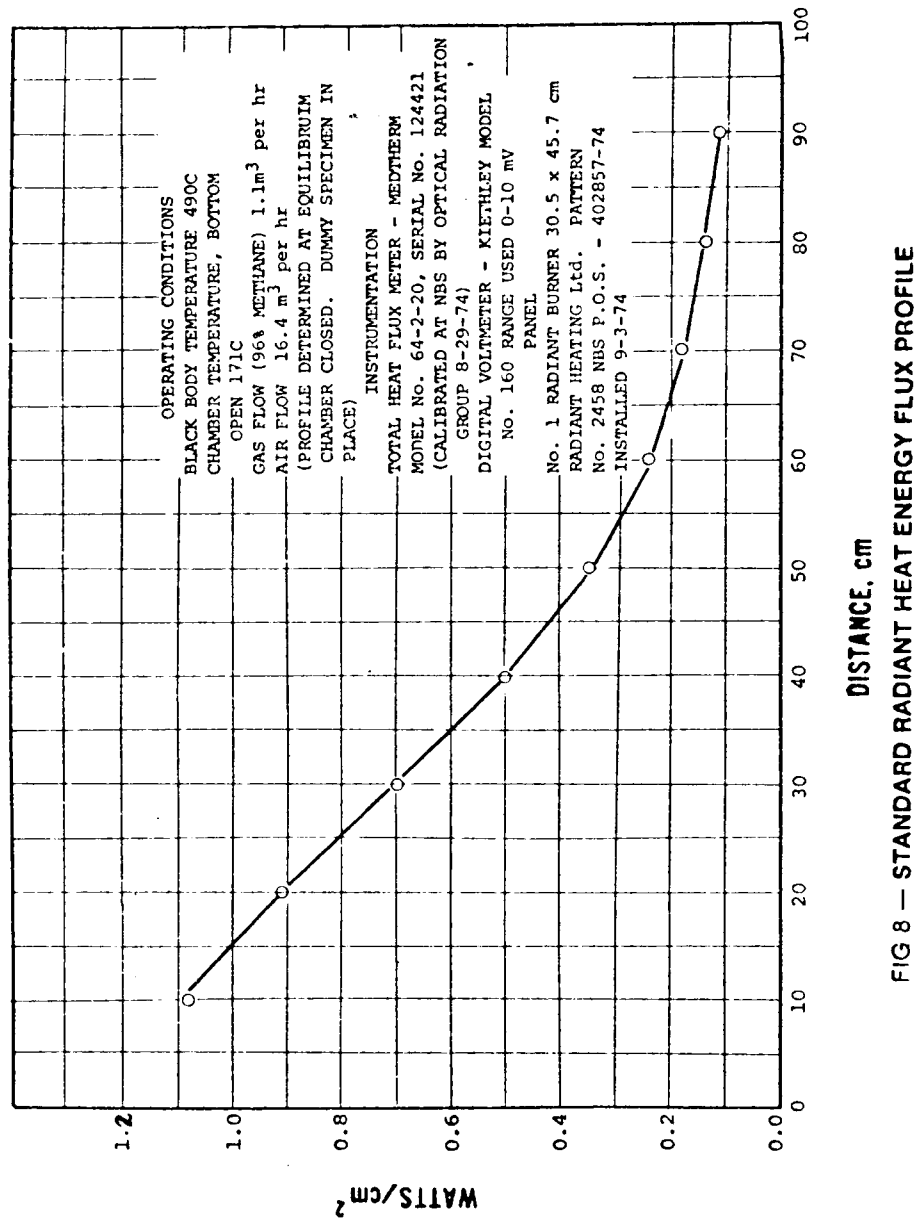
FIGURE 8 TO SUBPART A OF PART 1209—STANDARD RADIANT HEAT ENERGY FLUX
PROFILE

FIG 8 — STANDARD RADIANT HEAT ENERGY FLUX PROFILE

FIGURE 9 TO SUBPART A OF PART 1209—FLUX PROFILE DATA LOG FORMAT

RADIANT FLUX PROFILE

Date _____

Black Body Temperature _____ m.v. _____ °C (°F)

Gas Flow _____ NTPm³H (SCFH) Air Flow _____ NTPm³H (SCFH)

Room Temperature _____ °C (°F)

Air Pressure _____ Gas _____ cm (in) of H₂O

Flux Meter _____ Conversion Factor _____

Radiometer No. _____ From Calibration on _____

Distance (cm)	MV	Watts/cm ²
10	_____	_____
20	_____	_____
30	_____	_____
40	_____	_____
50	_____	_____
60	_____	_____
70	_____	_____
80	_____	_____
90	_____	_____

Signed _____

FIG. 9 Flux Profile Data Log Format

FIGURE 10 TO SUBPART A OF PART 1209—INSULATION RADIANT PANEL TEST DATA
LOG FORMAT

Test Number _____ Date _____ Time _____
 Laboratory _____
 Specimen Identification/Code No. _____
 Test Assembly: _____
 Panel: Temperature _____ °C (°F)
 Flow: Gas _____ NTPm³H (SCFH) Air _____ NTPm³H
 Pressure, cm (in) H₂O: Initial, Air _____ Gas _____
 Chamber Temperature (Initial) _____ °C (°F)
 Room: Temperature _____ °C (°F) Hood Draft _____ cm (in) water
 Total Burn Length _____ cm (in)
 Critical Radiant Flux watts/cm² _____
 Flux Profile Reference _____
 Observations:

Signed _____

FIG. 10 - Insulation Radiant Panel Test Data Log Format

Subpart B—Certification

AUTHORITY: Secs. 14, 16; 86 Stat. 1220, 1222; (15 U.S.C. 2063, 2065).

§ 1209.31 Purpose and applicability.

(a) *Purpose.* The purpose of this subpart B of part 1209 is to establish requirements that manufacturers, importers, and private labelers must follow to certify that their products comply with the Amended Interim Standard for Cellulose Insulation (16 CFR part 1209, subpart A). This subpart B

includes requirements for conducting a reasonable testing program, certifying with labels and separate certificates, and recordkeeping.

(b) *Applicability.* (1) Cellulose insulation which is subject to the standard includes all cellulose insulation, manufactured after the effective date (as described in § 1209.41), produced or distributed for sale to, or for the personal use, consumption, or enjoyment of, consumers in or around a permanent or temporary household or residence, a school, in recreation or otherwise. The standard applies to cellulose insulation

that is produced or distributed for sale to consumers, for their direct installation or use, as well as cellulose insulation that is produced or distributed for installation by professionals.

(2) The term *cellulose insulation* is defined in §1209.2(a) of the standard to mean cellulosic fiber, loose fill, thermal insulation that is suitable for blowing or pouring applications.

§ 1209.32 Definitions.

In addition to the definitions set forth in section 3 of the act and in §1209.2 of the standard, the following definitions shall apply to this subpart:

Private labeler means an owner of a brand or trademark which is used on the label of cellulose insulation subject to the standard which bears a private label as defined in section 3(a)(7) of the act (15 U.S.C. 2052(a)(7)).

Production interval means a time span determined by the manufacturer, private labeler, or importer to be appropriate for conducting a test or series of tests on samples of the cellulose insulation being produced to demonstrate that the product meets the requirements of the standard. An appropriate production interval may vary from test to test. The time period for a production interval shall be short enough to ensure that if the samples selected for testing comply with the standard or a portion of the standard, the insulation produced during the period will meet the standard or the appropriate portion of the standard.

§ 1209.33 Reasonable testing program.

(a) *General.* Section 14(a) of the Consumer Product Safety Act (15 U.S.C. 2063(a)) requires each manufacturer, importer, or private labeler of a product which is subject to a consumer product safety standard to issue a certificate of compliance with the applicable standard and to base that certificate upon a test of each item or upon a reasonable testing program. Because it is not practical to test each item subject to the standard, a reasonable testing program shall be used to support certificates of compliance for cellulose insulation.

(b) *Requirements of testing program.* A reasonable testing program for cellulose insulation is one which dem-

onstrates with reasonable certainty that insulation certified to comply with the standard will meet all requirements of the standard. Manufacturers, private labelers, and importers shall determine the types and frequency of testing for their own reasonable testing programs. A reasonable testing program may include either the tests prescribed by the standard, or any other reasonable test procedures. However, a reasonable testing program cannot consist of tests which the party issuing the certificate of compliance knows (or through the exercise of reasonable diligence should know) will pass or accept insulation which will yield failing results when subjected to any of the tests in the standard. All reasonable testing programs shall consist of four elements:

(1) Qualification tests which must be performed on samples of the manufacturer's cellulose insulation to demonstrate that the product is capable of passing the tests prescribed by the standard.

(2) A description of the cellulose insulation which passed the qualification testing. This description is known as the "product specification."

(3) Production tests, which must be performed at appropriate production intervals as long as the cellulose insulation is being manufactured.

(4) Corrective action, which must be taken whenever samples of the cellulose insulation yield unacceptable or failing test results.

(c) *Commission testing.* The Commission will test for compliance with the standard by using the test procedures contained in the standard, and will base enforcement actions for violation of the standard on the results of such testing.

(d) *Testing by third parties.* At the option of the manufacturer, importer, or private labeler, some or all of the testing for the reasonable testing program may be performed by a commercial testing laboratory. However, the manufacturer, importer, or private labeler is responsible for ensuring that all testing used to support the certificate of compliance has been properly performed with passing or acceptable results and for maintaining all records of

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such tests in accordance with §1209.38 below.

§ 1209.34 Qualification testing.

(a) *Requirement.* Before any manufacturer, importer, or private labeler begins distribution in commerce of cellulose insulation which is subject to the standard, samples of the insulation shall be tested for compliance with the standard. Manufacturers, importers, and private labelers shall determine the types of tests for qualification testing.

(b) *Timing, Sampling.* Any or all of the qualification testing required by this §1209.34 may be performed before the effective date of the standard. Manufacturers, private labelers, or importers may select samples for qualification testing of a product in any manner they desire.

§ 1209.35 Product specification.

(a) *Requirement.* Before any manufacturer, importer, or private labeler distributes in commerce cellulose insulation which is subject to the standard, it shall ensure that the insulation is described in a written product specification.

(b) *Contents of Specification.* The product specification shall include the following information:

(1) A description of the equipment used to manufacture the insulation, including the model number and names of the equipment manufacturers, and details of any modification made to any item of equipment.

(2) A description of the cellulosic stock material used to manufacture the insulation, identifying the extent of impurities allowed.

(3) The formulation of the fire-retardant chemicals added, including their chemical constituents and their form (for example, granulated, powdered, or liquid); the amount of fire-retardant chemicals present in the finished insulation, expressed as a percentage of the total weight of chemicals and cellulosic stock; the average weight of chemicals per bag; and the name and address of each chemical supplier. Where the chemical composition or formula of a commercially premixed fire retardant is not known to the insulation manufacturer, the pre-

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mixed fire retardant may be described simply by the name and address of the supplier and its brand or trade name.

(4) A description of the tests which were used to qualify the product as well as the dates of performance and results and actual values, where applicable, of the tests.

(5) Any other information necessary to describe the insulation.

(c) *Distribution in Commerce.* After the qualification testing required by §1209.34 has been completed with acceptable results and the product specification required by this §1209.35 has been recorded, the cellulose insulation may be manufactured and distributed in commerce, subject to the provisions of §1209.36.

(d) *New Product.* Whenever a manufacturer, private labeler, or importer makes any change to any item of equipment, cellulosic stock material, or formulation of a fire-retardant chemical, or any other factor which is likely to affect the ability of the cellulose insulation to meet the standard, that change will result in a new cellulose insulation product, requiring the preparation of a new product specification. The new product must be subjected to qualification tests and must yield passing or acceptable results.

§ 1209.36 Production testing.

(a) *General.* Manufacturers, private labelers, and importers shall test the cellulose insulation periodically as it is manufactured to demonstrate that the product being manufactured is substantially similar to the product which passed the qualification testing and to demonstrate that the product being manufactured meets the requirements of the standard.

(b) *Types and frequency of testing.* Manufacturers, private labelers, and importers shall determine the types of tests for production testing. Each production test shall be conducted at a production interval short enough to ensure that if the samples selected for testing meet the standard or a portion of the standard, the insulation produced during the interval will also meet the standard or the appropriate portion of the standard.

(c) *Test failure.* If any test yields failing results, production must cease and

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the faulty manufacturing process must be corrected (see §1209.37). In addition, the material from which the samples were taken may not be distributed in commerce unless the material can be corrected (see §1209.37) so as to yield passing results and meet the standard. Cellulose insulation that does not comply with the standard cannot be sold or offered for sale.

§ 1209.37 Corrective actions.

(a) *Test failure.* When any test required by §1209.36 yields failing or unacceptable results, corrective action must be taken. Corrective action includes changes to the manufacturing process as well as reworking the insulation product itself. Corrective action may consist of equipment adjustment, equipment repair, equipment replacement, change in chemical formulation, change in chemical quantity, change in cellulosic stock, or other action deemed appropriate by the manufacturer, private labeler or importer to achieve passing or acceptable test results.

(b) *New product.* If any corrective action required by this §1209.37 results in a change in the product specification and a new cellulose insulation product (see §1209.34(b)), the product specification for the new product must be recorded in accordance with §1209.35, and qualification tests must be performed with passing or acceptable results in accordance with §1209.34, before the new product is distributed in commerce.

§ 1209.38 Records.

(a) *Establishment and maintenance.* Each manufacturer, importer, and private labeler of cellulose insulation subject to the standard shall establish and maintain the following records which shall be available to any designated officer or employee of the Commission upon request in accordance with section 16(b) of the act (15 U.S.C. 2965(b)):

(1) A record of each product specification containing all information required by §1209.35. (This includes information concerning the types of qualification tests as well as the results from these tests.)

(2) Records to demonstrate compliance with the requirements for produc-

tion testing in §1209.36, including a description of the types of production tests conducted and the production interval selected for performance of each production test.

(3) Records of all corrective actions taken in accordance with §1209.37, including the specific action taken, the date the action was taken, and the test failure which necessitated the action. Records of corrective action must relate the corrective action taken to the product specification of the insulation product which was the subject of that corrective action, and the product specification of any new product which results from any corrective action.

(4) Records indicating exactly which insulation material is covered by each certificate of compliance issued.

(b) *Retention.* (1) *Product specification.* The records of each product specification shall be retained for as long as the cellulose insulation covered by that specification is manufactured and for a period of two (2) years thereafter.

(2) *Other records.* Records of production testing, corrective actions taken, and certificates issued shall be maintained for a period of two (2) years.

(c) *Confidentiality.* Requests for confidentiality of records provided to the Commission will be handled in accordance with section 6(a)(2) of the CPSCA (15 U.S.C. 2055(a)(2)), the Freedom of Information Act as amended (5 U.S.C. 552), and the Commission's regulations under that act (16 CFR part 1015, February 22, 1977).

§ 1209.39 Certification of compliance.

(a)(1) *Responsibilities of manufacturer for insulation sold in bags.* Manufacturers of cellulose insulation subject to the standard which is sold in bags or other containers shall certify compliance with the standard by marking each bag or container with the following information:

(i) The statement "This product meets the amended CPSC standard for flame resistance and corrosiveness of cellulose insulation." (This statement is the same statement provided in §1209.9 of the standard; it need not appear twice on the bag or container.)

(ii) The name of the manufacturer, private labeler, or importer issuing the

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certificate of compliance. See paragraphs (b) and (c), below.

(iii) The date of manufacture by day, month, and year.

(iv) The place of manufacture, by city, state, and zip code, or in the case of products manufactured outside the United States, by city and country.

The information required by this §1209.39(a) may appear anywhere on the bag or container. The information required need not appear at the same place on the bag or container. The information shall be permanent until the bag or container is opened and used. The information shall be conspicuous and must appear in letters and figures at least ¼ inch in height. The date and place of manufacture may be in code, provided the person or firm issuing the certificate maintains a written record of the meaning of the code that can be made available to consumers, persons in the chain of distribution, and the Commission upon request.

(2) *Insulation not sold in bags or containers.* The manufacturer of cellulose insulation subject to the standard which is not sold in bags or other containers shall certify compliance with the standard by accompanying each shipment or delivery of the product, with a document such as an invoice, bill, statement, or separate document, which states the following: “This product meets the amended CPSC standard for flame resistance and corrosiveness of cellulose insulation. This material was manufactured on (insert day, month, and year of manufacture) at (insert city, state, and zip code, or in the case of insulation manufactured outside the United States, city and country).” The certificate of compliance must also contain the name of the manufacturer, private labeler, or importer issuing the certificate. See paragraphs (b) and (c), below. The certificate of compliance must appear in letters and figures which are conspicuous and legible. The date and place of manufacture may be in code, provided the person or firm issuing the certificate maintains a written record of the meaning of the code that can be made available to consumers, persons in the chain of distribution, and the Commission upon request.

(b) *Responsibilities of private labelers.* A private labeler who distributes a product subject to the standard which is manufactured by another person or firm but which is sold under the private labeler's name, brand, or trademark must issue the certificate of compliance required by section 14 of the Consumer Product Safety Act and this section. If the testing required by this subpart has been performed by or for the manufacturer of the product, the private labeler may rely on any such tests to support the certificate of compliance if the records of such tests are maintained in accordance with §1209.38, above. The private labeler is responsible for ensuring that all testing used to support the certificate of compliance has been performed properly with passing or acceptable results, and that all records of such tests are accurate and complete.

(c) *Responsibilities of importers.* The importer of any product subject to the standard must issue the certificate of compliance required by section 14(a) of the act and this §1209.39. If the testing required by this subpart B of part 1209 has been performed by or for the foreign manufacturer of the product, the importer may rely on any such tests to support the certificate of compliance if the importer is a resident of the U.S. or has a resident agent in the U.S. and the records are maintained in the U.S. in accordance with §1209.38 above. The importer is responsible for ensuring that all testing used to support the certificate of compliance has been performed properly with passing or acceptable results, and that all records of such tests are accurate and complete.

§ 1209.40 Certification responsibility, multiple parties.

If there is more than one party (i.e., manufacturer, private labeler, or importer) otherwise subject to the requirements of this subpart B of part 1209 for certain cellulose insulation, only the party closest to the consumer in the distribution chain is required to issue a certificate.

§ 1209.41 Effective date.

The requirements of this subpart B of part 1209 shall become effective on October 16, 1979. Any cellulose insulation

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manufactured after October 15, 1979 must be certified as complying with the standard. Cellulose insulation which is sold in bags or other containers is “manufactured” when the insulation is packaged in the bag or other container in which it will be sold. Insulation which is not sold in bags or containers is “manufactured” when the insulation leaves the manufacturing site to be sold.

PART 1210—SAFETY STANDARD FOR CIGARETTE LIGHTERS

Subpart A—Requirements for Child Resistance

Sec.

- 1210.1 Scope, application, and effective date.
- 1210.2 Definitions.
- 1210.3 Requirements for cigarette lighters.
- 1210.4 Test protocol.
- 1210.5 Findings.

Subpart B—Certification Requirements

- 1210.11 General.
- 1210.12 Certificate of compliance.
- 1210.13 Certification tests.
- 1210.14 Qualification testing.
- 1210.15 Specifications.
- 1210.16 Production testing.
- 1210.17 Recordkeeping and reporting.
- 1210.18 Refusal of importation.

Subpart C—Stockpiling

- 1210.20 Stockpiling.

SOURCE: 58 FR 37584, July 12, 1993, unless otherwise noted.

Subpart A—Requirements for Child Resistance

AUTHORITY: 15 U.S.C. 2056, 2058, 2079(d).

§ 1210.1 Scope, application, and effective date.

This part 1210, a consumer product safety standard, prescribes requirements for disposable and novelty lighters. These requirements are intended to make the lighters subject to the standard’s provisions resistant to successful operation by children younger than 5 years of age. This standard applies to all disposable and novelty lighters, as defined in § 1210.2, that are manufactured or imported after July 12, 1994.

§ 1210.2 Definitions.

As used in this part 1210:

- (a) *Cigarette lighter*. See *lighter*.
- (b) *Disposable lighter*—means a lighter that either is:
 - (1) Not refillable with fuel or
 - (2)(i) Its fuel is butane, isobutane, propane, or other liquified hydrocarbon, or a mixture containing any of these, whose vapor pressure at 75 °F (24 °C) exceeds a gage pressure of 15 psi (103 kPa), and
 - (ii) It has a Customs Valuation or ex-factory price under \$2.00, as adjusted every 5 years, to the nearest \$0.25, in accordance with the percentage changes in the monthly Wholesale Price Index from June 1993.
- (c) *Lighter*, also referred to as *cigarette lighter*, means a flame-producing product commonly used by consumers to ignite cigarettes, cigars, and pipes, although they may be used to ignite other materials. This term does not include matches or any other lighting device intended primarily for igniting materials other than smoking materials, such as fuel for fireplaces or for charcoal or gas-fired grills. When used in this part 1210, the term *lighter* includes only the disposable and novelty lighters to which this regulation applies.
- (d) *Novelty lighter* means a lighter that has entertaining audio or visual effects, or that depicts (logos, decals, art work, etc.) or resembles in physical form or function articles commonly recognized as appealing to or intended for use by children under 5 years of age. This includes, but is not limited to, lighters that depict or resemble cartoon characters, toys, guns, watches, musical instruments, vehicles, toy animals, food or beverages, or that play musical notes or have flashing lights or other entertaining features. A novelty lighter may operate on any fuel, including butane or liquid fuel.
- (e) *Successful operation* means one signal of any duration from a surrogate lighter within either of the two 5-minute test periods specified in § 1210.4(f).
- (f) *Surrogate lighter* means a device that: approximates the appearance, size, shape, and weight of, and is identical in all other factors that affect child resistance (including operation